XR-3053

SERVICE MANUAL

East European Model

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MG-707DH-35

SPECIFICATIONS

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 - 8 ohms
Maximum power output	7W × 4 (at 4 ohms)* (*Measured at 14.4 V)

Cassette player section

Tape track	4-track 2-channel stereo
Frequency response	30 - 15,000 Hz
Signal-to-noise ratio	55 dB
Wow and flutter	0.13% (WRMS)

Tuner section

System	Superheterodyne tuner Computerized quartz-locked synthesizer system
Antenna terminal	External antenna connector

FM tuner section

Tuning range	65.0 - 74.0 MHz 87.5 - 108.0 MHz
Intermediate frequency	10.7 MHz
Usable sensitivity	13 dBf (75 ohms)
Selectivity	75 dB at 400 kHz
Signal-to noise ratio	66 dB (stereo), 69 dB (mono)
Harmonic distortion at 1 kHz	0.9% (stereo), 0.5% (mono)
Separation	30 dB at 1 kHz
Frequency response	30 - 15,000 Hz
Capture ratio	2 dB

MW tuner section

Tuning range	531 - 1,602 kHz (at 9 kHz step)
Intermediate frequency	450 kHz
Sensitivity	35µV

LW tuner section

Tuning range	153 - 281 kHz (at 1 kHz step)
Intermediate frequency	450 kHz
Sensitivity	70µV

General

Tone controls	Bass ±8 dB at 100 Hz Treble ±8 dB at 10 kHz
Loudness	+10 dB at 100 Hz +8 dB at 10 kHz
Output lead	Power antenna relay control lead
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 50 × 154 mm (w/h/d) not incl. projecting parts and controls
Mounting dimensions	Approx. 182 × 53 × 155 mm (w/h/d)
Weight	Approx. 1.6 kg
Accessories supplied	Mounting hardware (1 set)

Design and specifications subject to change without notice.

FM/MW/LW CASSETTE CAR STEREO

SONY®

Features

Tuner section

- **SSIR (Sony Super Interference Rejection) PLL synthesizer tuner** for precise tuning.
- **Memory preset tuning** allows you to store 6 stations on the MW and LW bands and 12 stations on the FM band in memory.

Cassette deck section

- **The auto-reverse function** changes the tape direction automatically.

General

- **Slid-out security bracket** allows you to take the unit away with you leave your car.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270℃ during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

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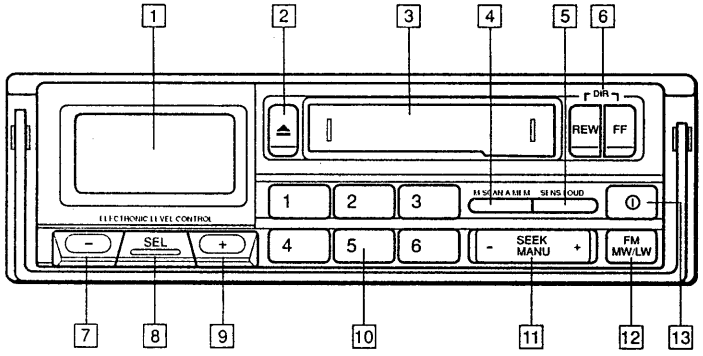
Locations and Function of Controls



1 **Display window**

2 **▲(eject) button**
Press to stop tape playback and eject the cassette

3 **Cassette insertion door**

4 **M.SCAN (memory scan)/A.MEM (automatic memory) button**
M.SCAN—Press for a moment to scan the preset stations automatically
A.MEM—Press and hold for longer than two seconds to memorize the stations automatically.

5 **SENS/LOUD (sensitivity/loudness) button**
Press and release in 2 seconds to change sensitivity mode:stereo distant (seek)-stereo local (seek)-monaural distant (seek). These mode will be also used in the seek operation. Press longer than 2 seconds to set on and off the loudness mode.

6 **FF/REW (fast winding) buttons/DIR (tape transport direction change) buttons**
During playback, depress FF or REW for fast winding, or press both FF and REW simultaneously to listen to the other side of the cassette.

7 **Volume (down)/Bass (–)/Treble (–)/Balance (left)/Fader (front)/Level (–) button**
After selecting the mode with the Audio mode select button, press to adjust the level.

8 **Audio mode (Volume/Bass/Treble/Balance/Fader) select buttons**
Press to change the mode for adjustment.

9 **Volume (up)/Bass (+)/Treble (+)/Balance (right)/Fader (rear)/Level (+) button**
After selecting the mode with the Audio mode select button, press to adjust the level.

10 **Preset number buttons (1, 2, 3, 4, 5, 6)**

11 **SEEK (–/+)/MANU (manual)(–/+) buttons**
Press and release, in 0.5 second, – side to search stations in lower frequencies and + side to search in higer frequencies.
Press and hold longer than 0.5 second to change to the manual mode.
Then, frequencies will be changed manually by pressing the button.
The manual mode is maintained for 2 seconds after releasing the button.

12 **FM/MW/LW band select button**

13 **Power on-off select switch**
Press to turn on and off the unit.

Tape Playback

1. **Press 13 to turn on the unit.**
2. **Insert a cassette. 3**
3. **Adjust the volume. 7 9**

Other Operations

To listen to the other side of the cassette

* Press FF and REW buttons 6 simultaneously.

To wind the tape rapidly

* Depress FF button 6 to advance the tape.
* Depress REW button 6 to rewind the tape.
* To resume playback, press the opposite side of button FF or REW lightly.

To stop playback and listen to the radio

* Press the EJECT button. 2
  The unit enters the radio mode.

4. **Adjusting the fader between front and rear**

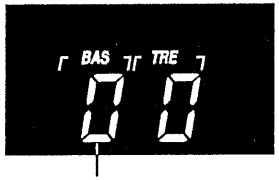
This section is extracted from instruction manual.

Audio Level Adjustment

Press the Audio Mode Select button [8] to select the mode (volume, bass, treble, balance or fader) that you wish to adjust.
The mode is indicated on the display window. Adjust the level with the Level (–) [7] or (+) [9] button while the mode is displayed.
When you press the level button, the volume mode is automatically selected and volume can be adjusted. Adjust each level in 3 seconds after selecting a mode.
If you leave a mode for longer than 3 seconds without any operation, the mode will be released and returned to the previous indication. Volume mode will be released in about 1 second. In this case, press the Select button to indicate the mode that you wish to adjust.

1. Adjusting the bass sound

Press to display the indication on the right.



Blink

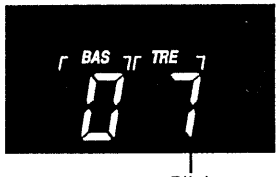
While the indication on the left is displayed

Press to decrease

Press to increase

2. Adjusting the treble sound

Press to display the indication on the right.



Blink

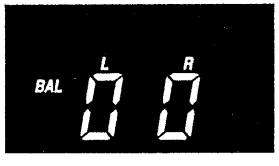
While the indication on the left is displayed

Press to decrease

Press to increase

3. Adjusting the balance between left and right

Press to display the indication on the right.



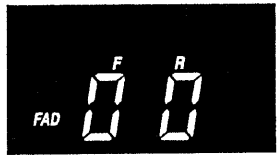
While the indication on the left is displayed

Press to decrease the right speaker (number on the right decreases or the left increases)

Press to decrease the left speaker (number on the left decreases or the right increases)

4. Adjusting the fader between front and rear

Press to display the indication on the right.



While the indication on the left is displayed

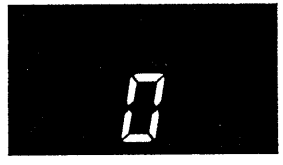
Press to decrease the rear speaker (number on the rear decreases or the front increases)

Press to decrease the front speaker (number on the front decreases or the rear increases)

5. Adjusting volume

Volume is usually adjusted with the level buttons only.
Volume is also adjusted as below.

Press to display the indication on the right.



While the indication on the left is displayed

Press to decrease

Press to increase

To Memorize the Volume Level in the Unit

Adjust the volume first to the desired level. Press and hold the POWER button for more than 2 seconds. The unit is turned off and the preset volume is memorized. The sound comes out with the preset volume level when the unit is turned on again, even if the unit has been turned off with the previous higher volume level.
Also if the unit is turned off with lower volume level, the sound comes with the previous lower level when turned on again.

Adjusting Sound

Loudness

When listening at low volume

When set on, low and high area of sound is emphasized.
Press and hold the button [5] for longer than 2 seconds.
Repeat the same step to release the mode.

Automatic Tuning

1. **Press [13] to turn on the unit.**
2. **Press [12] to select the desired band, FM 1, FM 2, MW, or LW.**
3. **Press the SEEK button [11] to start searching.**
   – : For lower frequency stations
   + : For higher frequency stations
   The searching automatically stops when a station is tuned in.
   Repeat this step until the desired station is tuned in.

When the FM stereo program is too weak and noisy

* Press the SENS button [5] to indicate MONO on the display window.
  The sound will be monaural and noise will be reduced.

Manual Tuning

1. **Press [13] to turn on the unit.**
2. **Press [12] to select the desired band, FM 1, FM 2, MW, or LW.**
3. **Press the MANU button [11] for longer than 0.5 second to select the manual mode, then press – or + side in 2 seconds after releasing the button.**
   – : For lower frequency stations
   + : For higher frequency stations
   To change the frequency rapidly, keep the button pressed.

Note: The manual mode will be released automatically 2 seconds after leaving the button without operation.

Warning
While driving, keep your eyes on the road and use the automatic tuning or memory preset tuning!

Memory Preset Tuning

To Memorize the Stations

The unit can memorize up to 6 stations on the LW and MW bands and 12 stations on the FM band (6 stations each on FM 1 and FM 2).

1. **Tune in a desired station using the automatic or manual tuning. [11]**
2. **Keep the desired preset button [10] pressed while the sound is mute and frequency blinks.**
3. **Repeat these steps for each preset button.**

Important
Every preset button has only one memory for a band. The previously memorized station will be erased when you enter a new station of the same band on the same preset button.

To Receive the Preset Station

1. **Press [12] to select the desired band.**
2. **Press the desired preset button [10] lightly.**

To memorize the stations automatically

* Press the M.SCAN/A.MEM button [4] for longer than 2 seconds. The unit scans for the stations, and memorize them on the preset number in order of frequency and of the preset number. Scanning starts from the frequency and the preset number indicated on the display window and up to 6 stations will be stored automatically.
* Press the FM/MW/LW button [12] again to select FM 1, FM 2, MW, or LW and repeat the procedure again.

To survey what is being broadcasted on the preset stations

* Press the M.SCAN/A.MEM button [4] lightly. Each memorized station will be scanned for a few seconds. To stop scanning, press the button again at the desired program.

Note: The previously stored stations will be cleared and renewed with the stations stored by automatic memory.

Maintenance

Fuse Replacement

If the fuse blows, check the power connection and replace the fuse.
If the fuse blows again after replacement, there may be an internal malfunction. In this case, consult your nearest Sony dealer.

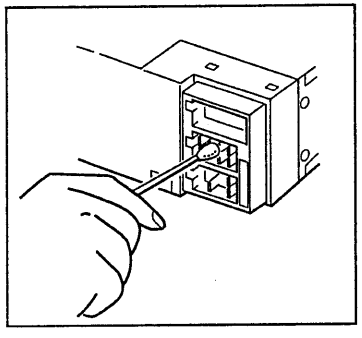
Warning
Use the specified amperage fuse for each lead. Use of a higher amperage fuse may cause serious damage.

Cleaning the Head and the Tape Path

Prolonged use may contaminate the tape head and the tape path. Contamination causes sound drop-outs in playback. Clean the tape head and the tape path every two weeks to enjoy optimum hi-fi stereo sound. Use a commercially available cleaning cassette.

Cleaning the Connector

To keep the best possible sound quality, clean the metallic part of the connector at the rear of the unit periodically using a commercially available head cleaning fluid or rubbing alcohol and a cotton swab.

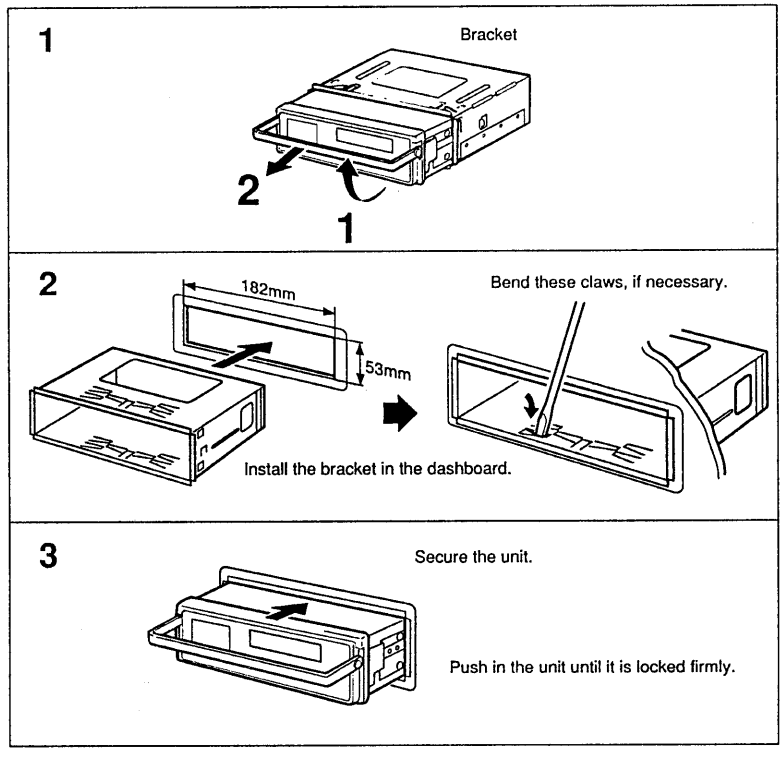


Installation

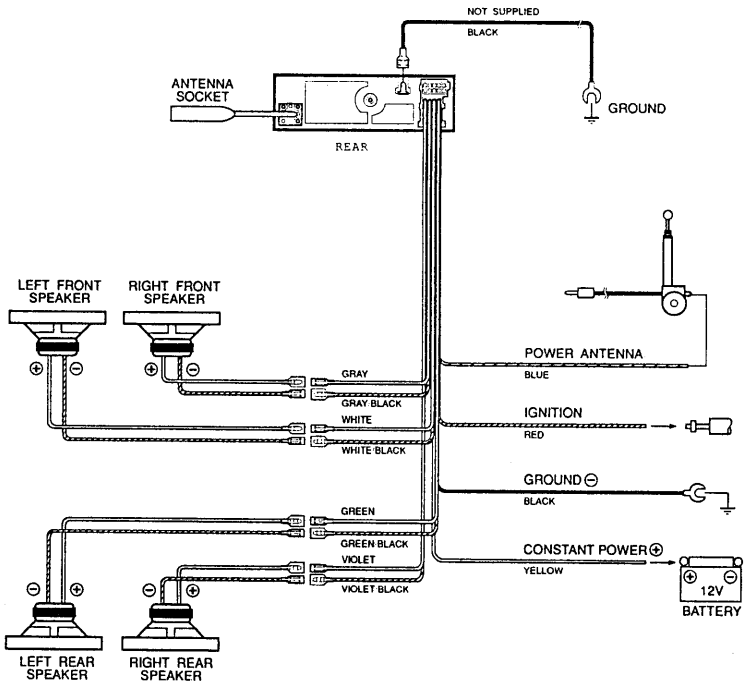
Precautions

- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
- Avoid installing the unit where it should be subjected to high temperatures, such as from direct sunlight or from hot air from the heater, or where it would be subjected to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.

To install the Unit in the Dashboard

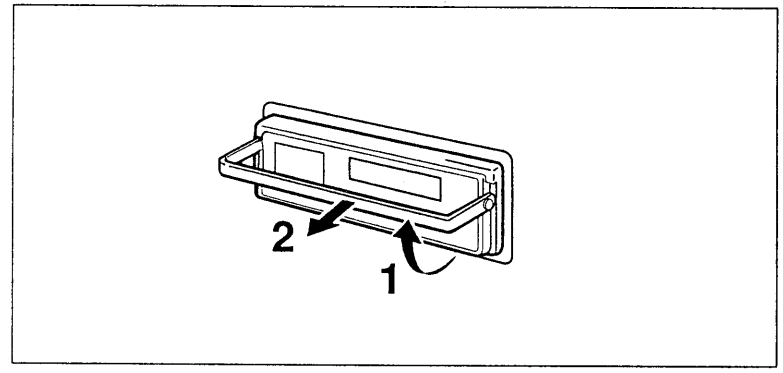


Connection



To remove the unit

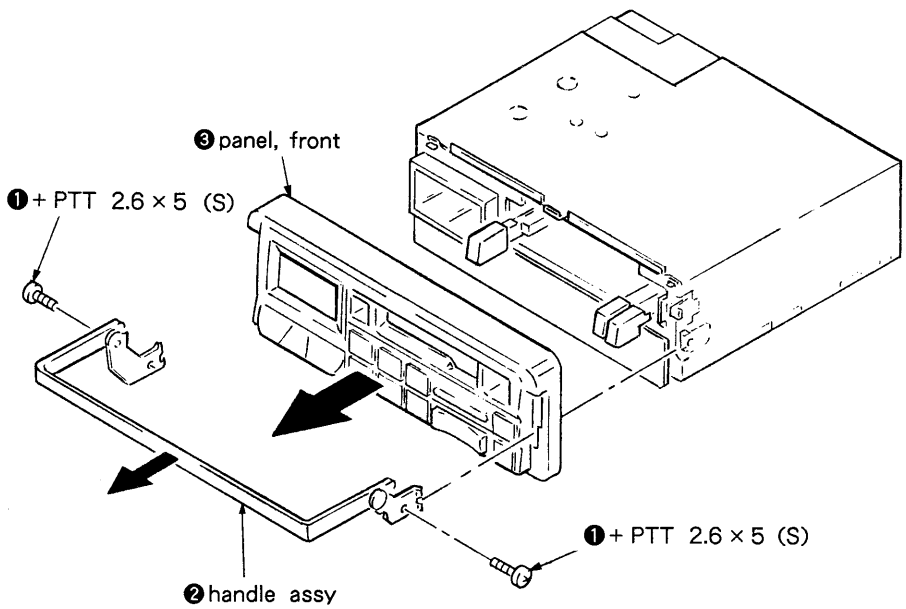
This prevents your car stereo set from being stolen.



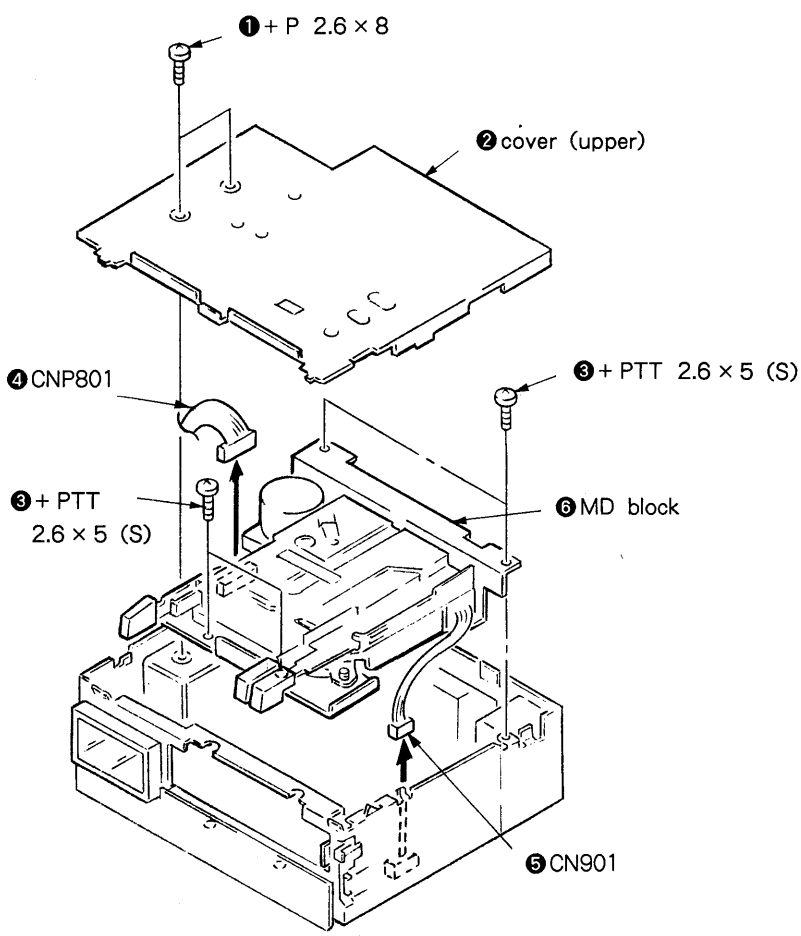
SECTION 2
DISASSEMBLY

NOTE : Follow the disassembly procedure in the numerical order given.

- **FRONT PANEL**



- **MD BLOCK**



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
   playback head　　pinch roller
   capstan　　rubber belts
   idlers
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. Unless otherwise specified make adjustments at the specified Voltage (14.4V).

Torque Measurement

Torque	Torque meter	Meter reading
Forward	CQ-102C	35 to 60 g • cm (0.49 to 0.83 oz • inch)
Forward back tension	CQ-102C	1 to 5 g • cm (0.014 to 0.06 oz • inch)
Reverse	CQ-102RC	35 to 60 g • cm (0.49 to 0.83 oz • inch)
Reverse back tenshon	CQ-102RC	1 to 5 g • cm (0.014 to 0.06 oz • inch)
FF REW	CQ-201B	70 to 110 g • cm (0.98 to 1.52 oz • inch)

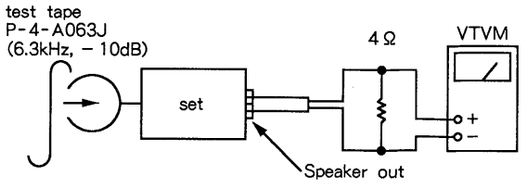
3-2. ELECTRICAL ADJUSTMENTS

TAPE SECTION

Play back Head Azmuth Adjustment

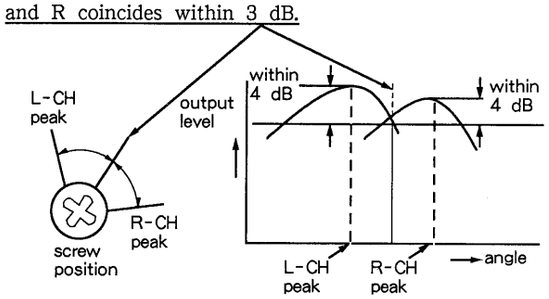
Procedure :

1. Mode play back

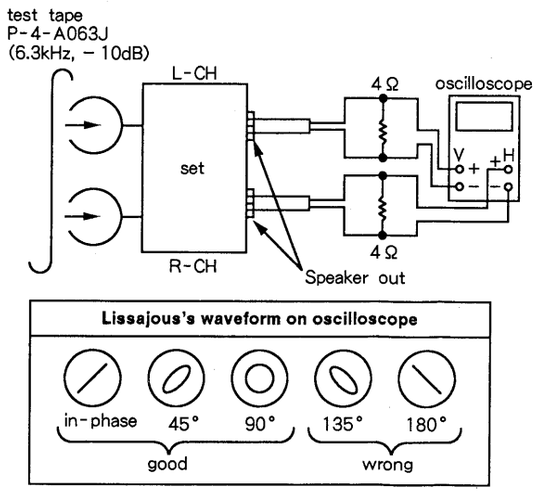


Adjust for foeward (▶) direction and reverse (◀) derection.

2. Turn the screw and check the output peak value. Adjust the screw so that peak value in channels L and R coincides within 3 dB.

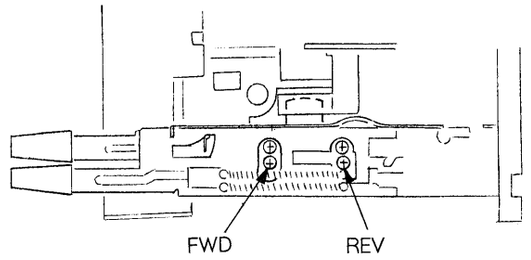


3. Phase Check
   Confirm that phase difference between L-channel and R-channel iz within 90°



4. Repeat the above adjustment for reverse playback mode.
5. After the adjustment, lock the screw with locking compound.

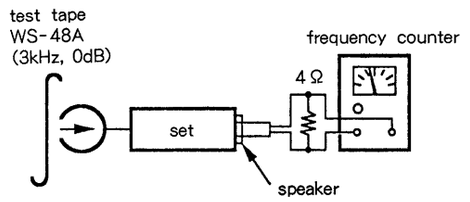
Adjustment Location:



Tape Speed Adjustment

Procedure:

1. Put the set into the FWD PB mode.

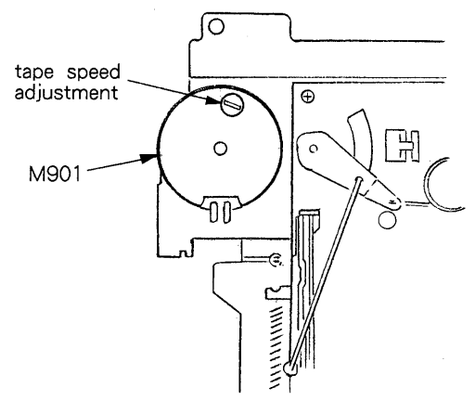


Specification:

Frequency counter
2,940 to 3,090 Hz

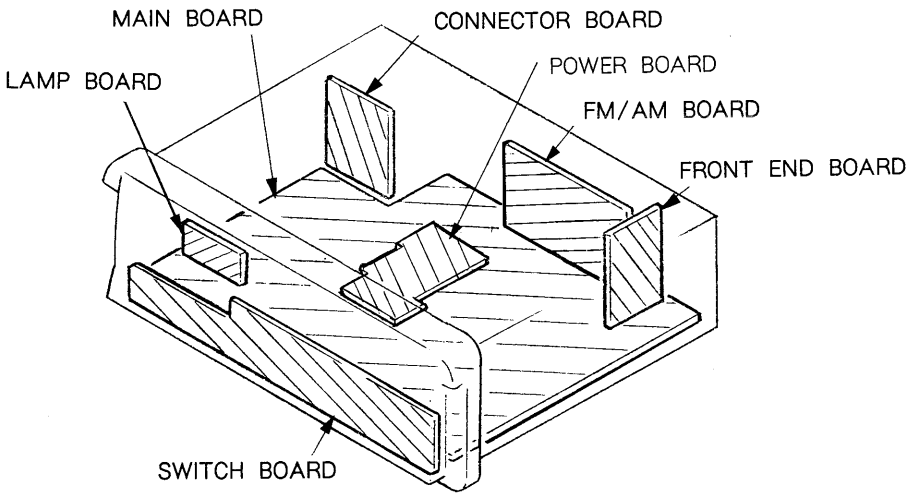
Adjust so that frequency difference between the FWD and REV modes is within 1.5 %.

Adjustment Location:



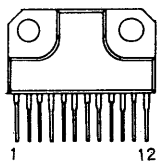
SECTION 4
DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION



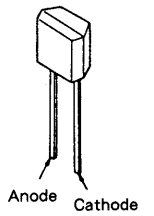
4-2. SEMICONDUCTOR LEAD LAYOUTS

LA4485

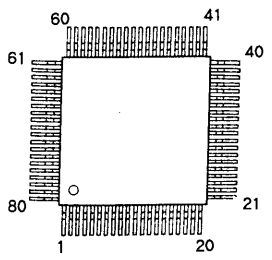


DTC114ES

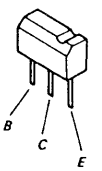
SVC321SP-A2



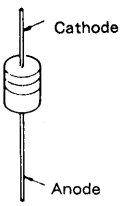
LC7232N-8462



2SD1858-P

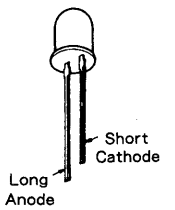


1SR139-100



DTB123YS
2SC2001-LK

SEL4214P



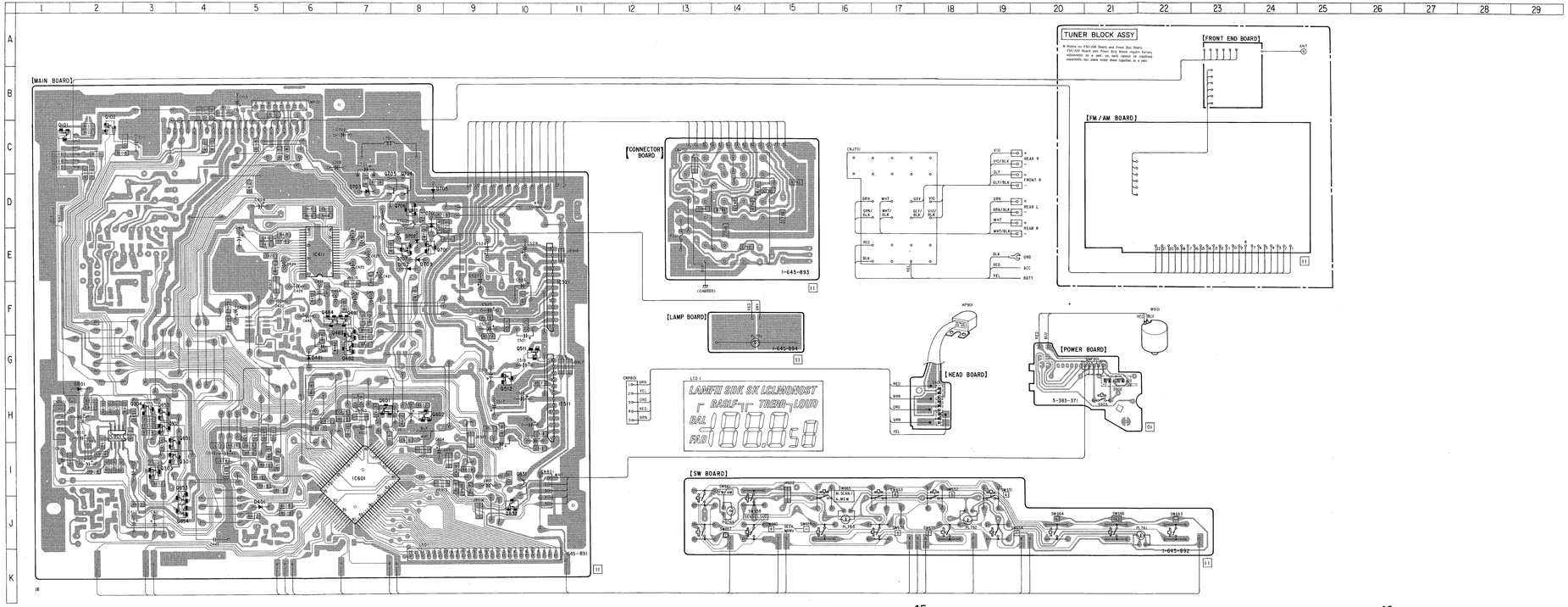
4-3. PRINTED WIRING BOARDS

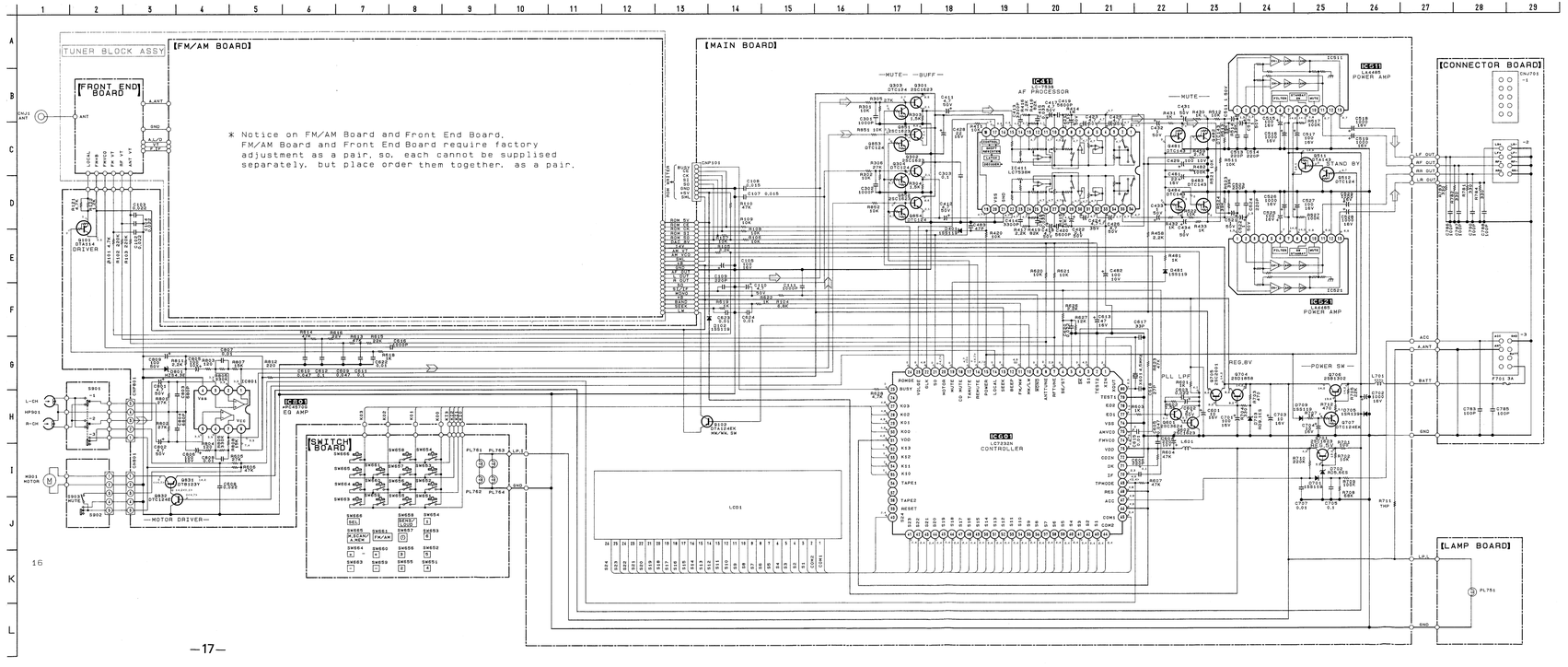
● Semiconductor

Ref. No.	Location
D102	E-8
D401	J-5
D481	G-6
D701	D-8
D702	E-8
D703	D-7
D705	D-8
D709	E-8
D801	G-2
IC411	E-6
IC511	H-10
IC521	F-10
IC601	I-7
IC801	H-2
Q101	C-1
Q102	C-2
Q301	I-3
Q302	H-3
Q303	I-3
Q304	H-3
Q481	F-7
Q482	G-7
Q483	F-7
Q484	F-6
Q511	G-10
Q512	G-10
Q601	H-7
Q602	H-8
Q701	E-8
Q704	D-8
Q705	D-8
Q706	D-8
Q707	E-8
Q831	I-10
Q832	I-10
Q851	H-3
Q852	H-3
Q853	J-4
Q854	J-4

Note on Mounting Diagram :

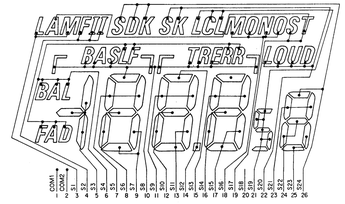
- ●o—— : Parts extracted from the component side.
- ●•—— : Parts extracted from the conductor side.
- ● ■ : Parts mounted on the conductor side.
- ● ▒▒ : Pattern on the side which is seen.



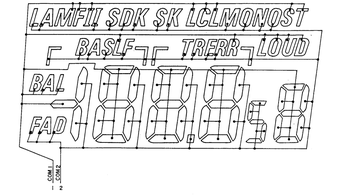


4-5. LCD1 UNIT

● SEGMENT



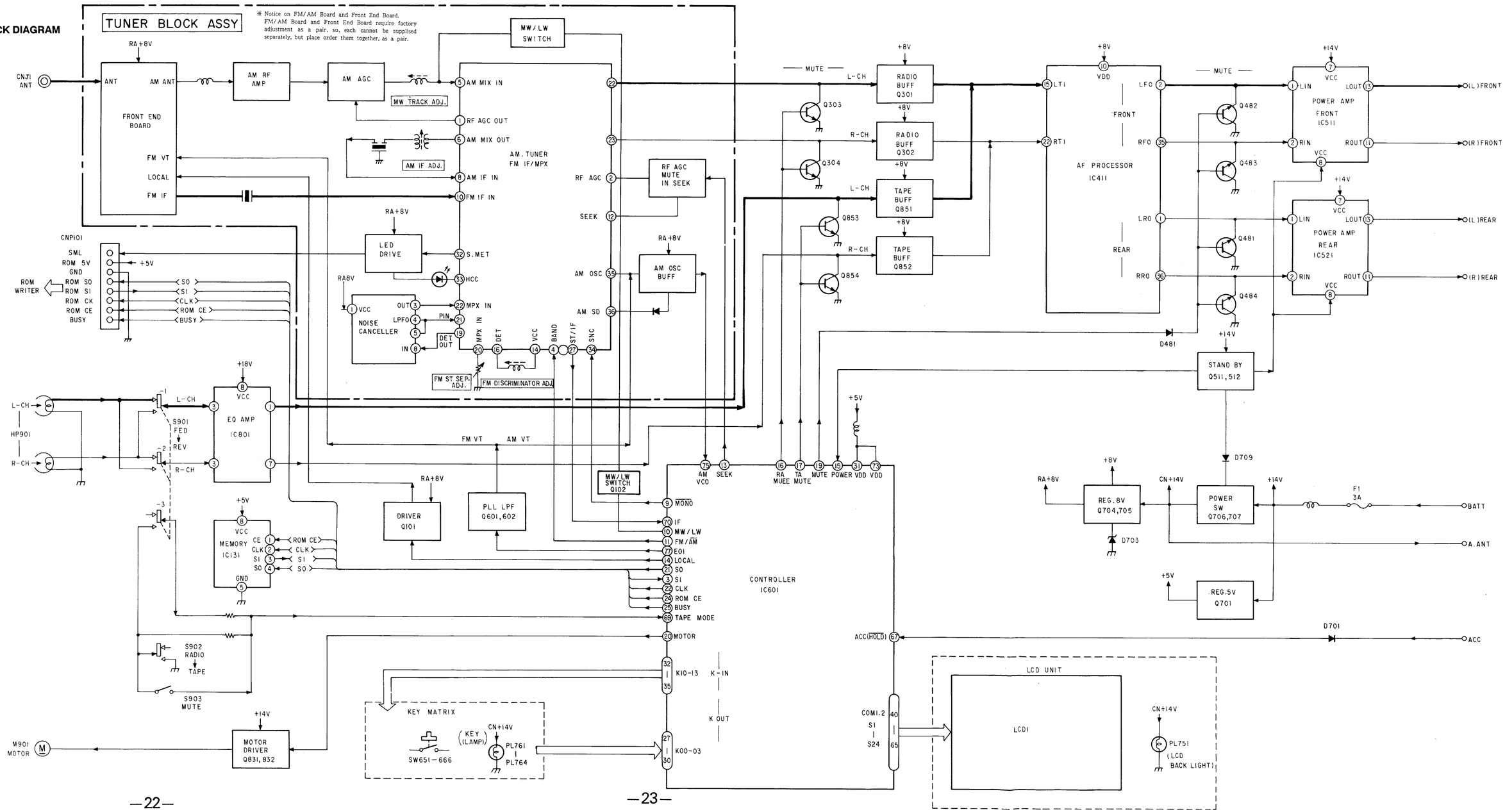
● COMMON



Note on Schematic Diagram :

- **All capacitors are in μF unless otherwise noted. pF: μμF**
  50WV or less are not indicated except for electrolytics and tantalums.
- **All resistors are in Ω and ¼ W or less unless otherwise specified.**
- ● △ : **internal component.**
- ⊖ MAIN BLOCK : B + Line.
- ⊕ [ ] : adjustment for repair.
- ⊖ Power voltage is dc14.4V and fed with regulated dc power supply from power (ACC and BATT) terminal.
  no mark : FM
  ( ) : AM
  < > : PB
- ⊖ Voltages are taken with a VOM (input impedance 10 kΩ). Voltage variations may be noted due to normal production tolerances.
- ⊖ Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- ⊖ Signal path.
  ⇨ : FM
  ⇨ : PB

4-6. BLOCK DIAGRAM



4-7. IC DESCRIPTION

• IC601 LC7232N-8462 (SYSTEM CONTROLLER)

No.	Pin Name	I/O	Description
1	XIN	I	Crystal oscillator connection terminal (4.5 MHz)
2	TSET2	I	Test terminal of device (connect to GND)
3	S1	I	Serial data input terminal from E²PROM/external sequencer
4	$\overline{SK}$	I	SK input terminal
5		I	NC (connect to GND.)
6	SE/ST	I	STATION DETECTOR/STEREO input terminal
7	RFTUNE	O	Varactor voltage control terminal on RF side
8	ANTTUNE	O	Varactor voltage control terminal on antenna side
9	$\overline{MONO}$	O	MONAURAL control terminal
10	MW/LW	O	LW band control terminal
11	FM/MW	O	FM band control terminal
12	BEEP	O	Key touch tone/DX control terminal (Not used)
13	SEEK	O	IF gate control terminal
14	LOCAL	O	LOCAL/DX control terminal
15	POWER	O	POWER control terminal
16	REMUTE	O	RADIO MUTE terminal
17	TAMUTE	O	TAPE MUTE terminal
18	CD MUTE	O	CD MUTE terminal (Not used)
19	MUTE	O	TOTAL MUTE terminal
20	MOTOR	O	MOTOR control terminal
21	SO	O	Serial data output terminal for E²PROM/external sequencer/electric volume
22	GLK	O	Serial clock output terminal for E²PROM/external sequencer/electric volume
23	VOLGE	O	Serial latch output terminal for electric volume
24	ROMGE	O	Serial latch output terminal for E²PROM
25	BUSY	O	Serial communication BUSY output terminal for E²PROM/electric volume
26		O	NC (open)
27	K03	O	Key scan output terminal
28	K02	O	Key scan output terminal
29	K01	O	Key scan output terminal
30	K00	O	Key scan output terminal
31	VDD	I	Power supply (5 V ± 10%)
32	K13	I	Key return signal input terminal
33	K12	I	Key return signal input terminal
34	K11	I	Key return signal input terminal
35	K10	I	Key return signal input terminal
36	TAPE1	O	DOLBY control terminal (Not used)
37		O	NC
38	TAPE2	O	METAL/MSS control terminal (Not used)
39	RESET	O	External RESET terminal (Not used)
40	S24	O	LCD segment output terminal
41	S23	O	LCD segment output terminal
42	S22	O	LCD segment output terminal
43	S21	O	LCD segment output terminal
44	S20	O	LCD segment output terminal

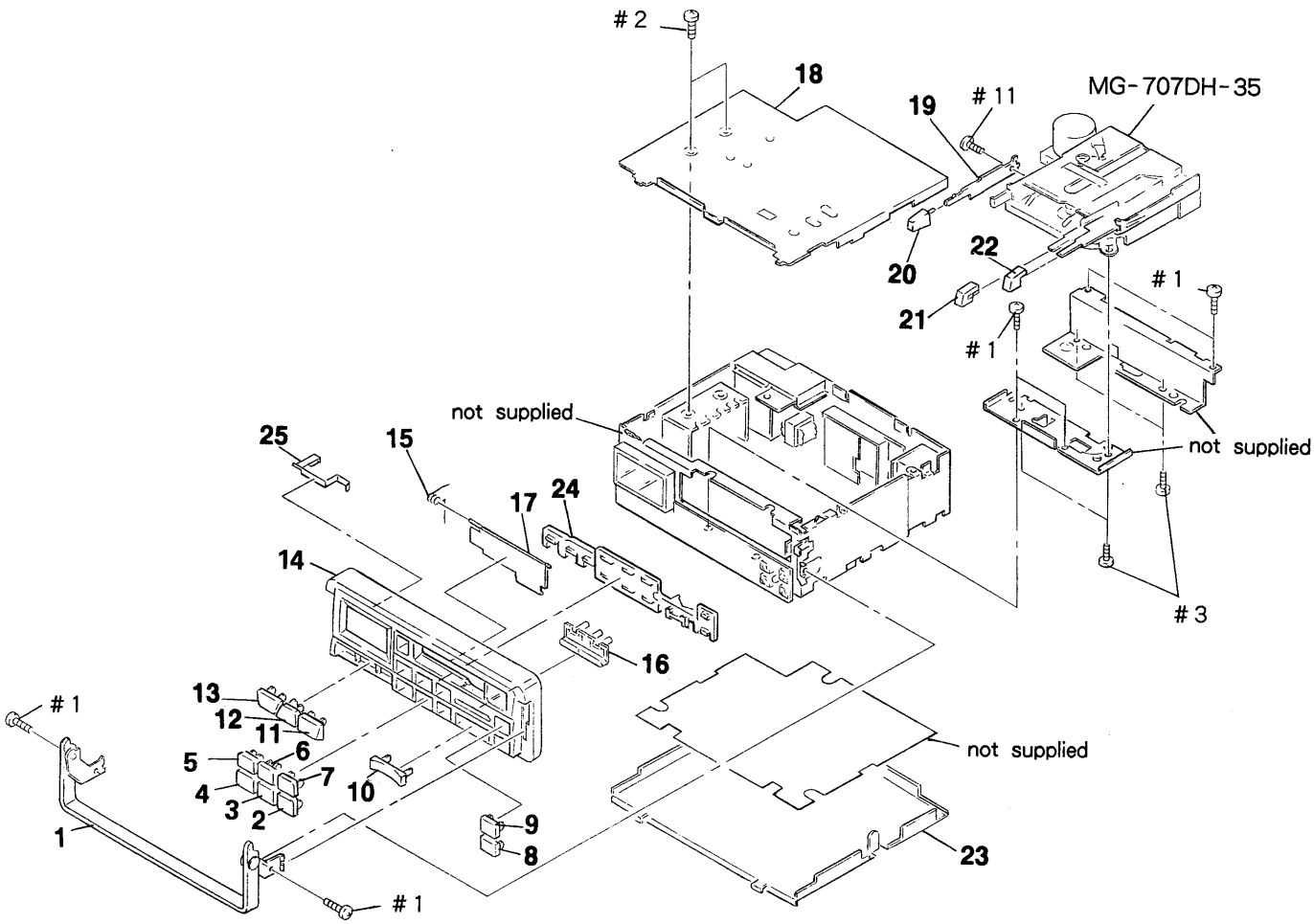
No.	Pin Name	I/O	Description
45	S19	O	LCD segment data
46	S18	O	LCD segment data
47	S17	O	LCD segment data
48	S16	O	LCD segment data
49	S15	O	LCD segment data
50	S14	O	LCD segment data
51	S13	O	LCD segment data
52	S12	O	LCD segment data
53	S11	O	LCD segment data
54	S10	O	LCD segment data
55	S9	O	LCD segment data
56	S8	O	LCD segment data
57	S7	O	LCD segment data
58	S6	O	LCD segment data
59	S5	O	LCD segment data
60	S4	O	LCD segment data
61	S3	O	LCD segment data
62	S2	O	LCD segment data
63	S1	O	LCD segment data
64	COM2	O	LCD common output terminal
65	COM1	O	LCD common output terminal
66		I	NC
67	ACC	I	ACC input terminal
68	RES	I	Device reset terminal
69	TPMODE	I	TAPE MODE input terminal (RADIO/TAPE F/TAPE R/WIND)
70	IF	I	FM (10.7 MHz) / AM (450KHz) input terminal for IF count
71	DK	I	DK signal input terminal (125Hz square wave input)
72	CDIN	I	CD input terminal
73	VDD	I	Power supply of device (5V ± 10%)
74	FMVCO	I	Input terminal of FM local oscillator
75	AMVCO	I	Input terminal of AM local oscillator
76	VSS	I	GND terminal of device
77	EO1	O	Error output of PLL
78	EO2	O	Error output terminal of PLL (not used)
79	TEST1	I	TEST terminal of device (connected to GND)
80	XOUT	O	Crystal oscillator connection terminal (4.5 MHz)

SECTION 5
EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)...(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

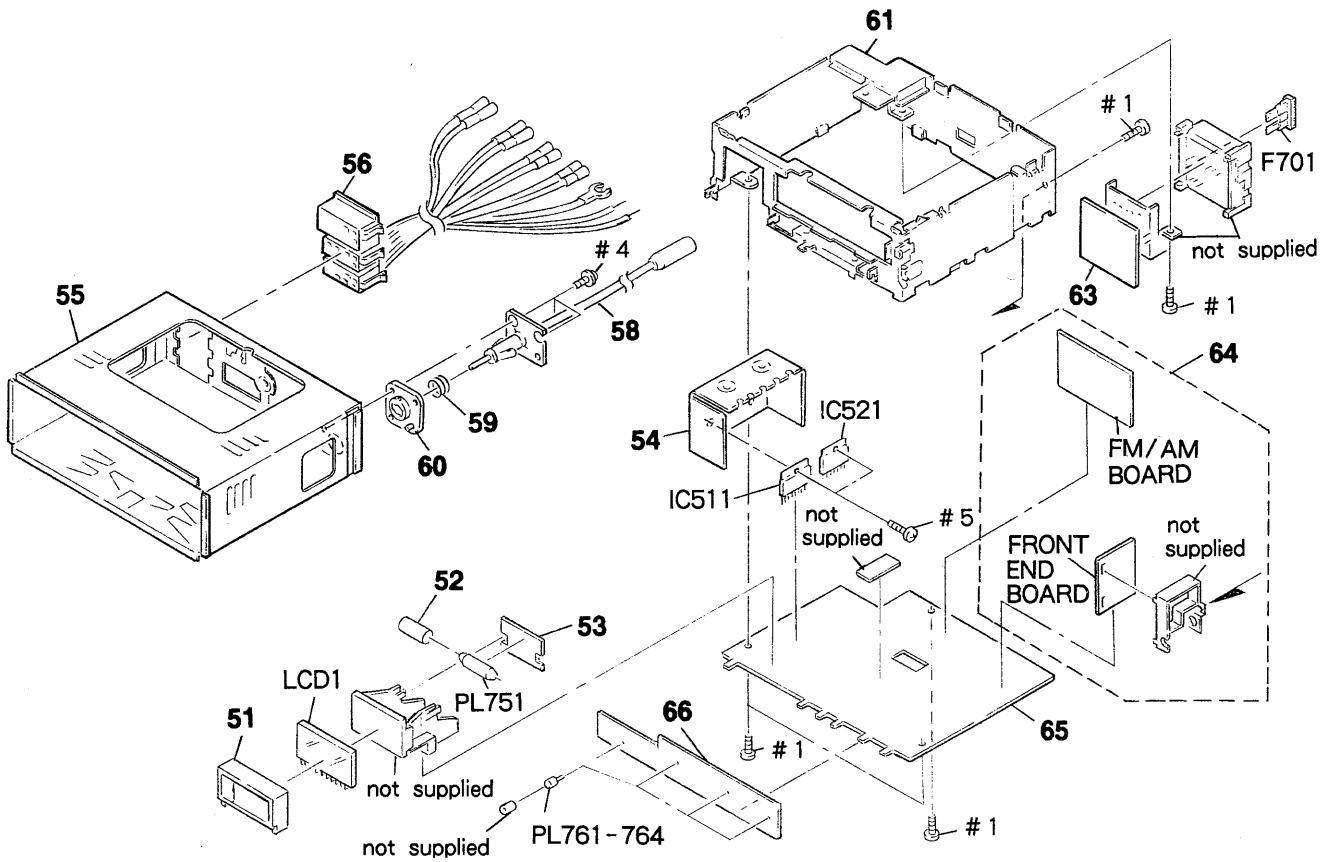
5-1. CHASSIS ASSEMBLY 1



Ref. No.	Part No.	Description	Remarks
* 1	X-3365-797-1	HANDLE ASSY	
2	3-384-128-01	BUTTON (6)	
3	3-384-127-01	BUTTON (5)	
4	3-384-126-01	BUTTON (4)	
5	3-384-123-01	BUTTON (1)	
6	3-384-124-01	BUTTON (2)	
7	3-384-125-01	BUTTON (3)	
8	3-384-139-01	BUTTON (FM/MW/LW)	
9	3-384-130-01	BUTTON (POWER)	
10	3-384-129-01	BUTTON (SEEK)	
11	3-384-132-01	BUTTON (+)	
12	3-384-133-01	BUTTON (SEL)	
13	3-384-134-01	BUTTON (-)	
14	3-384-139-01	PANEL, FRONT	
* 15	3-384-150-01	SPRING (C DOOR), TORSION	
16	3-384-146-01	BUTTON (2 GANG)	
17	3-384-145-41	DOOR, CASSETTE	
* 18	3-384-170-01	COVER (UPPER)	
* 19	3-384-175-01	LEVER (EJECT)	
20	3-384-135-01	BUTTON (EJECT)	
21	3-384-137-01	BUTTON (REW)	
22	3-384-136-01	BUTTON (FF)	
* 23	3-384-171-01	COVER (LOWER)	
* 24	3-384-148-01	PLATE, LIGHT GUIDE	
* 25	3-384-149-01	PLATE, GROUND	

5-2. CHASSIS ASSEMBLY 2

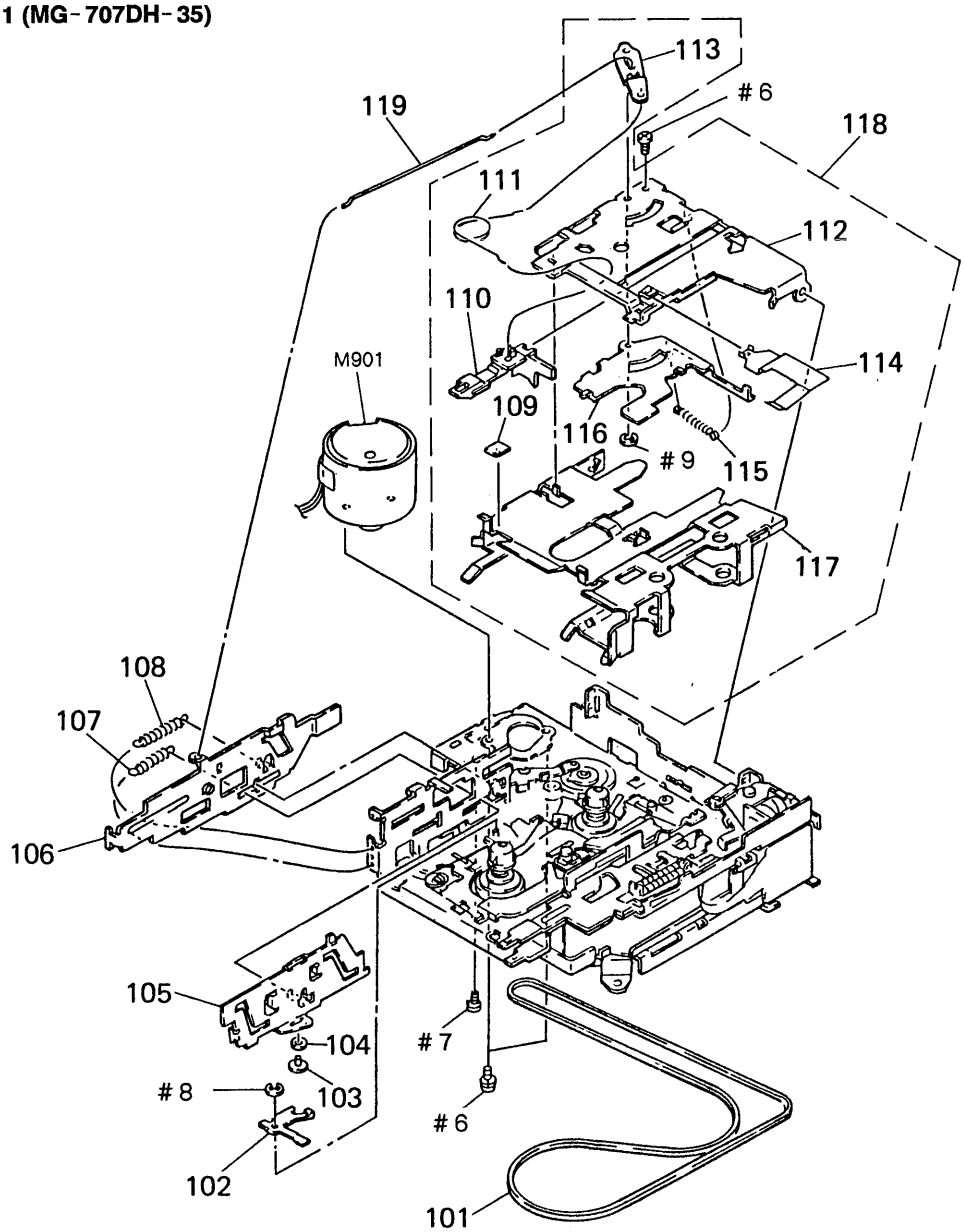
※ Notice on FM/AM Board and Front End Board.
FM/AM Board and Front End Board require factory adjustment as a pair. so, each cannot be supplised separately, but place order them together, as a pair.



Ref. No.	Part No.	Description	Remarks
* 51	3-384-173-01	HOLDER (LCD)	
* 52	3-384-174-01	COVER (LAMP)	
* 53	1-645-894-11	LAMP BOARD	
* 54	3-384-167-01	HEAT SINK	
* 55	X-3366-739-1	BRACKET ASSY	
56	1-696-717-11	CORD (WITH CONNECTOR)	
58	1-696-718-11	CORD (WITH CONNECTOR) (ANT)	
59	3-384-164-01	SPRING, COMPRESSION	
* 60	3-384-163-01	SPACER (ANT)	
* 61	X-3365-795-1	CHASSIS ASSY	
* 63	1-645-893-11	CONNECTOR BOARD	
64	A-3222-621-A	TUNER BLOCK ASSY	

Ref. No.	Part No.	Description	Remarks
* 65	A-3295-687-A	MAIN BOARD, COMPLETE	
66	1-645-892-11	SWITCH BOARD	
F701	1-532-731-11	FUSE (BRADE TYPE) (AUTO FUSE) (3A)	
IC511	8-759-824-03	IC LA4485	
IC521	8-759-824-03	IC LA4485	
LCD1	1-809-899-11	DISPLAY PANEL, LIQUID CRYSTAL	
PL751	1-517-136-11	LAMP, PILOT	
PL761	1-517-138-11	LAMP, PILOT	
PL762	1-517-138-11	LAMP, PILOT	
PL763	1-517-138-11	LAMP, PILOT	
PL764	1-517-138-11	LAMP, PILOT	

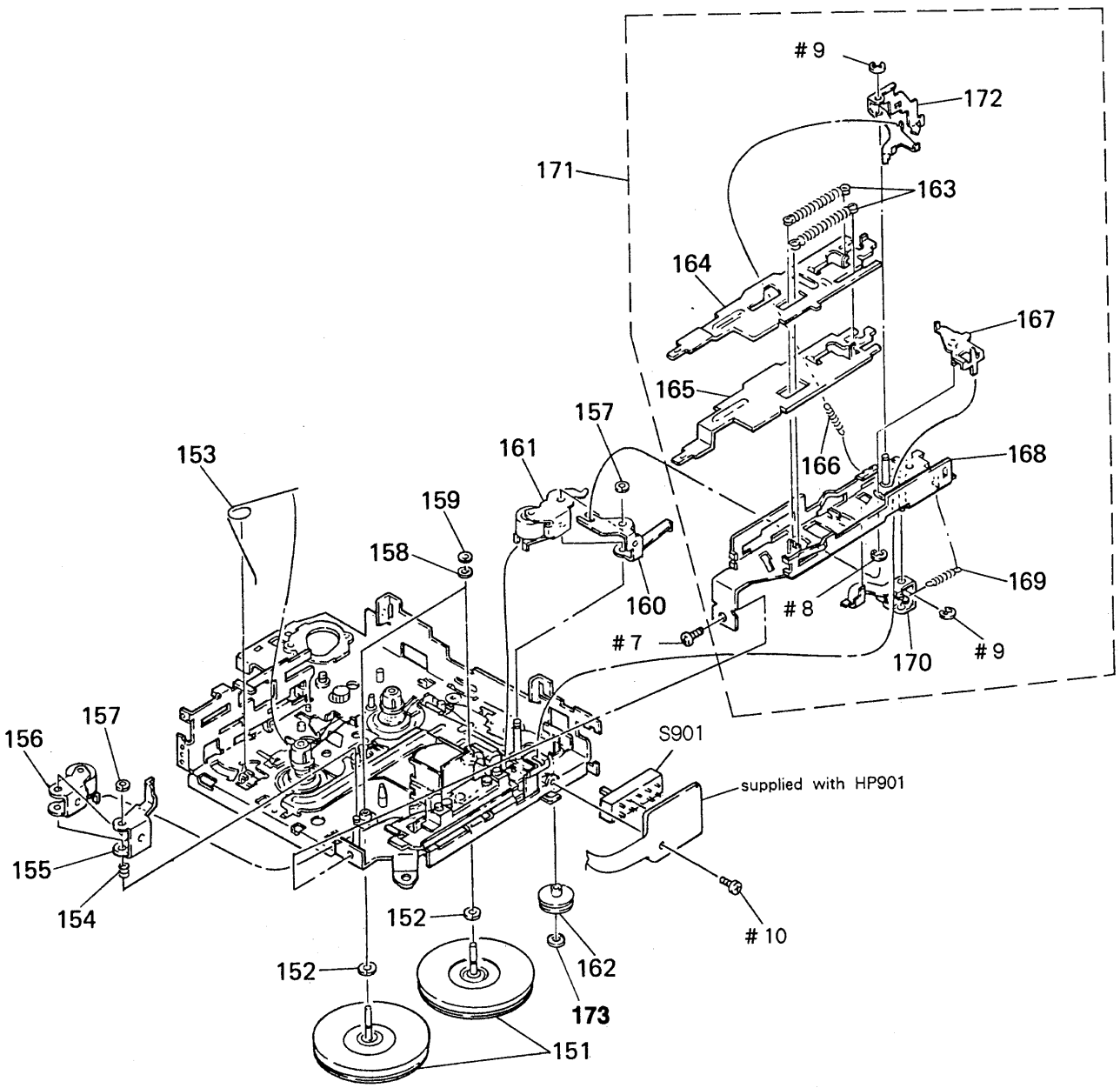
5-3. MD ASSEMBLY 1 (MG-707DH-35)



Ref. No.	Part No.	Description	Remarks
101	3-367-284-01	BELT, MAIN	
102	3-367-313-01	ARM, H.P PUSH	
103	3-367-264-01	ROLLER (A), H.P	
104	3-367-265-01	ROLLER (B), H.P	
* 105	3-367-311-01	PLATE (M), PUSH, C.H	
* 106	3-367-269-01	LEVER (M), PUSH	
107	3-367-267-01	SPRING, C.H	
108	3-367-268-01	SPRING, PUSH LEVER	
109	3-367-254-01	RUBBER, CUSHION	
110	3-367-258-01	SLIDER (C), PACK	

Ref. No.	Part No.	Description	Remarks
111	3-367-255-01	SPRING (C), REVERSE	
* 112	3-367-251-01	LIFTER, CASE	
* 113	3-367-252-01	RIVETING ASSY, P.E PLATE	
* 114	3-367-259-01	SPRING, PACK RETAINER	
115	3-367-253-01	SPRING, C.D	
* 116	3-367-257-01	PLATE (B), C.D	
* 117	3-367-256-01	CASE (M), CASSETTE	
118	X-3362-789-2	CASSETE CASE ASSY	
119	3-367-260-01	SPRING, P.E	
M901	3-367-276-01	MOTOR ASSY	

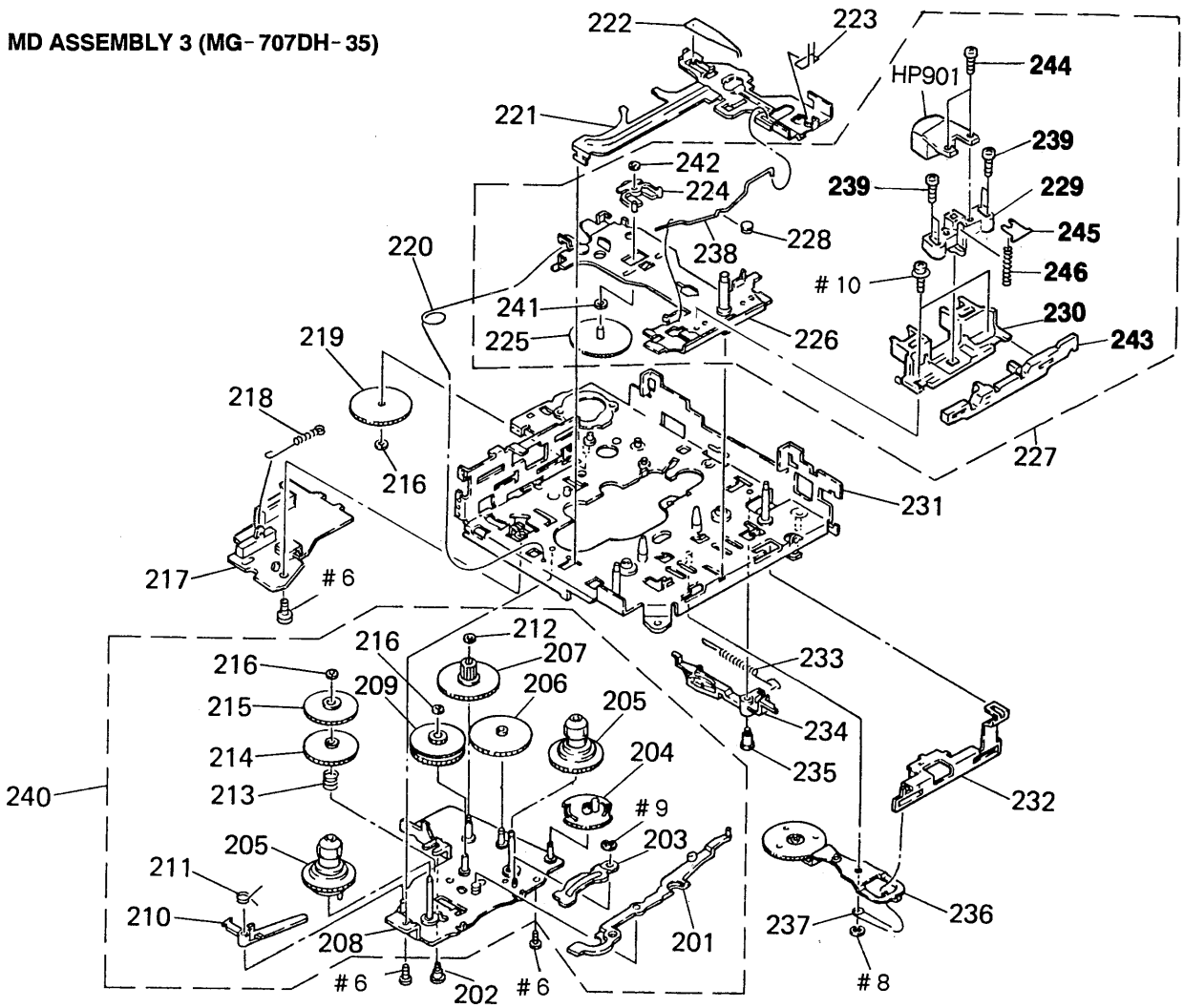
5-4. MD ASSEMBLY 2 (MG-707DH-35)



Ref. No.	Part No.	Description	Remarks
151	3-367-283-01	RIVETING ASSY, F.L CAPSTAN	
152	3-701-437-01	WASHER	
153	3-367-314-01	SPRING(M), HEAD PANEL	
154	3-367-285-01	SPRING, P.P	
* 155	3-367-296-01	ARM, H.P RETURN	
156	3-367-232-01	ARM (R) ASSY, PINCH ROLLER	
157	3-676-387-00	POLY-SLIDER (DIA.1.6)	
158	3-315-495-41	WASHER	
159	3-592-680-00	WASHER (C), POLYETHYLENE	
* 160	3-367-292-01	PLATE, FUNCTION, SEESAW	
161	3-367-231-01	ARM (F) ASSY, PINCH ROLLER	
162	3-367-287-01	PULLEY, MIDWAY	

Ref. No.	Part No.	Description	Remarks
163	3-367-298-01	SPRING, F.R LEVER	
* 164	3-383-377-01	LEVER (M.H), FF	
* 165	3-383-378-01	LEVER (M.H), REW	
166	3-367-304-01	SPRING (M), LOCK PLATE	
* 167	3-367-234-01	RIVETING ASSY, SEESAW PLATE(M)	
* 168	3-367-233-01	RIVETING ASSY, F.R BRACKET (M)	
169	3-367-302-01	SPRING, P.C	
* 170	3-367-301-01	PLATE, P.C	
171	X-3365-724-1	R.F LEVER ASSY	
* 172	3-367-303-01	LOCK PLATE (M)	
173	3-321-393-11	WASHER, STOPPER	
S901	1-572-712-11	SWITCH, SLIDE	

5-5. MD ASSEMBLY 3 (MG-707DH-35)



Ref. No.	Part No.	Description	Remarks
201	3-367-241-01	PLATE (B), E.D	
202	3-367-295-01	SCREW (P), COLOR	
* 203	3-367-245-01	PLATE, LIFTUP	
204	3-367-240-01	GEAR (M), REVERSE	
205	3-383-370-01	REEL ASSY, T	
206	3-367-239-01	GEAR, E.D	
207	3-367-238-01	GEAR, P.D	
* 208	3-367-242-01	RIVETING ASSY, M.G PLATE	
209	3-367-244-01	CLUTCH ASSY, P	
210	3-367-246-01	ARM, REVERSE PREVENTION	
211	3-367-247-01	SPRING	
212	3-676-387-00	POLY-SLIDER (DIA.1.6)	
213	3-367-243-01	SPRING, T.N	
214	3-367-237-01	GEAR (R), F	
215	3-367-236-01	GEAR (R), P	
216	3-318-236-01	WASHER, POLY, SLIT	
217	3-383-371-01	SWITCH ASSY, POWER (including S902, S903)	
218	3-367-293-01	SPRING, POWER SWITCH	
219	3-370-853-01	GEAR (V), MAIN	
220	3-367-314-01	SPRING (M), HEAD PANEL	
* 221	3-367-272-01	PLATE, MAIN	
222	3-367-273-01	SPRING, M.S	
223	3-367-274-01	SPRING, H.S	
224	3-367-226-01	METAL, P. GEAR	

Ref. No.	Part No.	Description	Remarks
225	3-367-227-01	GEAR, P	
* 226	3-383-367-01	RIVETING ASSY, HEAD PANEL	
227	X-3365-722-1	HEAD PANEL ASSY	
228	3-367-224-01	ROLLER, SP	
* 229	3-383-374-01	HOLDER (B), HEAD	
* 230	3-383-373-01	GUIDE (U), TAPE	
231	3-375-374-01	RIVETING ASSY, CHASSIS	
* 232	3-367-294-01	PLATE (M), F.R SLIDE	
233	3-367-297-01	SPRING (C), T.A	
234	3-367-289-01	ARM (C), TRIGGER	
235	3-367-290-01	SCREW (T), COLOR	
236	X-3362-791-2	F.R WORKING ASSY	
237	3-367-282-01	SPRING (M), F.R	
238	3-367-225-01	SPRING, P.R	
239	3-383-375-01	SCREW, ADJUSTMENT	
240	X-3365-723-1	M.G PLATE ASSY	
241	3-701-447-11	WASHER, 10	
242	3-579-788-01	WASHER, STOPPER	
* 243	3-383-376-01	PLATE (B), SHIFT	
244	3-383-372-01	SCREW, FIX	
245	3-383-369-01	WASHER, FASTEN	
246	3-383-368-01	SPRING, H.G	
HP901	1-543-976-11	HEAD, MAGNETIC (PLAYBACK)	

CONNECTOR | **LAMP**

MAIN

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- −XX, −X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS :
  uF : μF
- RESISTORS
  All resistors are in ohms.
  METAL : metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- COILS
  uH : μH
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA... : μA... , uPA... , μPA... ,
  uPB... , μPB... ,uPC... , μPC... ,
  uPD..., μPD...

Ref. No.	Part No.	Description			Remarks
*	1-645-893-11	CONNECTOR BOARD			
		**********			
		< CAPACITOR >			
C783	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C785	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C786	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C787	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C788	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C790	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
		< JACK >			
CNJ701	1-695-797-11	CONNECTOR (ISO)			
		< FUSE >			
F701	1-532-731-11	FUSE (BRADE TYPE) (AUTO FUSE)			(3A)
		< JUMPER RESISTOR >			
JR711	1-216-296-00	METAL CHIP	0	5%	1/8W
		< RESISTOR >			
R781	1-216-037-00	METAL CHIP	330	5%	1/10W
R782	1-216-037-00	METAL CHIP	330	5%	1/10W
R783	1-216-037-00	METAL CHIP	330	5%	1/10W
R784	1-216-037-00	METAL CHIP	330	5%	1/10W
**********					
*	1-645-894-11	LAMP BOARD			
		**********			
		< PILOT LAMP >			
PL751	1-517-136-11	LAMP, PILOT			
**********					

Ref. No.	Part No.	Description			Remarks
*	A-3295-687-A	MAIN BOARD, COMPLETE			
		**********			
*	3-384-167-01	HEAT SINK			
*	3-384-174-01	COVER (LAMP)			
*	3-384-173-01	HOLDER (LCD)			
	7-685-646-79	SCREW +BVTP	3X8	TYPE2 SLIT	
		< CAPACITOR >			
C102	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C103	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C104	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C105	1-126-101-11	ELECT	100uF	20%	16V
C107	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C108	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C109	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C110	1-126-163-11	ELECT	4.7uF	20%	50V
C111	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C301	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C302	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C303	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C411	1-126-163-11	ELECT	4.7uF	20%	50V
C412	1-126-163-11	ELECT	4.7uF	20%	50V
C413	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C414	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C415	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C416	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C417	1-126-163-11	ELECT	4.7uF	20%	50V
C418	1-126-163-11	ELECT	4.7uF	20%	50V
C419	1-163-018-00	CERAMIC CHIP	0.0056uF	5%	50V
C420	1-163-018-00	CERAMIC CHIP	0.0056uF	5%	50V
C421	1-124-463-00	ELECT	0.1uF	20%	50V
C422	1-124-463-00	ELECT	0.1uF	20%	50V
C423	1-126-163-11	ELECT	4.7uF	20%	50V
C424	1-126-163-11	ELECT	4.7uF	20%	50V
C425	1-126-163-11	ELECT	4.7uF	20%	50V
C426	1-126-163-11	ELECT	4.7uF	20%	50V
C428	1-124-234-00	ELECT	22uF	20%	16V

Ref. No.	Part No.	Description			Remarks
C429	1-124-584-00	ELECT	100uF	20%	10V
C431	1-126-301-11	ELECT	1uF	20%	50V
C432	1-126-301-11	ELECT	1uF	20%	50V
C433	1-126-301-11	ELECT	1uF	20%	50V
C434	1-126-301-11	ELECT	1uF	20%	50V
C481	1-124-234-00	ELECT	22uF	20%	16V
C482	1-124-584-00	ELECT	100uF	20%	10V
C483	1-101-880-00	CERAMIC	47PF	5%	50V
C511	1-126-301-11	ELECT	1uF	20%	50V
C512	1-126-301-11	ELECT	1uF	20%	50V
C513	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C514	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C515	1-126-101-11	ELECT	100uF	20%	16V
C516	1-124-360-00	ELECT	1000uF	20%	16V
C517	1-126-933-11	ELECT	100uF	20%	16V
C518	1-124-360-00	ELECT	1000uF	20%	16V
C519	1-124-360-00	ELECT	1000uF	20%	16V
C521	1-126-301-11	ELECT	1uF	20%	50V
C522	1-126-301-11	ELECT	1uF	20%	50V
C523	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C524	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C525	1-126-101-11	ELECT	100uF	20%	16V
C526	1-124-360-00	ELECT	1000uF	20%	16V
C527	1-126-933-11	ELECT	100uF	20%	16V
C528	1-124-360-00	ELECT	1000uF	20%	16V
C529	1-124-360-00	ELECT	1000uF	20%	16V
C601	1-126-157-11	ELECT	10uF	20%	16V
C602	1-126-163-11	ELECT	4.7uF	20%	50V
C603	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C604	1-126-335-11	ELECT	220uF	20%	10V
C605	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C606	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C608	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C609	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C610	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C611	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C612	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C613	1-124-589-11	ELECT	47uF	20%	16V
C615	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C616	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C617	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C618	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C620	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C622	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C623	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C624	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C701	1-126-101-11	ELECT	100uF	20%	16V
C702	1-124-360-00	ELECT	1000uF	20%	16V
C703	1-126-157-11	ELECT	10uF	20%	16V
C704	1-126-157-11	ELECT	10uF	20%	16V

Ref. No.	Part No.	Description			Remarks
C705	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C707	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C801	1-126-163-11	ELECT	4.7uF	20%	50V
C802	1-126-163-11	ELECT	4.7uF	20%	50V
C803	1-163-201-00	CERAMIC CHIP	680PF	5%	50V
C804	1-163-201-00	CERAMIC CHIP	680PF	5%	50V
C805	1-124-584-00	ELECT	100uF	20%	10V
C806	1-124-584-00	ELECT	100uF	20%	10V
C807	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C808	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C809	1-124-122-11	ELECT	100uF	20%	50V

< CONNECTOR >

CNP101	1-564-724-11	PIN HEADER, ANGLE 8P	
CNP801	1-564-707-11	PIN HEADER, STRAIGHT 5P	

< DIODE >

D102	8-719-911-19	DIODE	1SS119
D401	8-719-911-19	DIODE	1SS119
D481	8-719-911-19	DIODE	1SS119
D701	8-719-911-19	DIODE	1SS119
D702	8-719-109-89	DIODE	RD5.6ES-B2
D703	8-719-110-14	DIODE	RD9.1ES-B3
D705	8-719-974-59	DIODE	1SR139-100
D709	8-719-911-19	DIODE	1SS119
D801	8-719-010-29	DIODE	UZ-4.3BSB

< IC >

IC411	8-759-093-59	IC	LC-7538
IC511	8-759-824-03	IC	LA4485
IC521	8-759-824-03	IC	LA4485
IC601	8-759-093-60	IC	LC7232N-8462
IC801	8-759-106-02	IC	uPC4570G2

< JUMPER RESISTOR >

JR901	1-216-296-00	METAL CHIP	0	5%	1/8W
JR903	1-216-296-00	METAL CHIP	0	5%	1/8W
JR905	1-216-296-00	METAL CHIP	0	5%	1/8W
JR908	1-216-296-00	METAL CHIP	0	5%	1/8W
JR910	1-216-296-00	METAL CHIP	0	5%	1/8W
JR911	1-216-296-00	METAL CHIP	0	5%	1/8W
JR912	1-216-296-00	METAL CHIP	0	5%	1/8W
JR913	1-216-296-00	METAL CHIP	0	5%	1/8W
JR914	1-216-296-00	METAL CHIP	0	5%	1/8W
JR915	1-216-296-00	METAL CHIP	0	5%	1/8W
JR916	1-216-296-00	METAL CHIP	0	5%	1/8W
JR917	1-216-296-00	METAL CHIP	0	5%	1/8W
JR918	1-216-296-00	METAL CHIP	0	5%	1/8W

MAIN

Ref. No.	Part No.	Description	Remarks
		< COIL >	
L601	1-410-521-11	INDUCTOR 100uH	
L701	1-421-359-00	COIL, CHOKE	
		< LIQUID CRYSTAL DISPLAY >	
LCD1	1-809-899-11	DISPLAY PANEL, LIQUID CRYSTAL	
		< TRANSISTOR >	
Q101	8-729-900-51	TRANSISTOR DTA114TK	
Q102	8-729-901-05	TRANSISTOR DTA124EK	
Q301	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q303	8-729-901-00	TRANSISTOR DTC124EK	
Q304	8-729-901-00	TRANSISTOR DTC124EK	
Q481	8-729-900-98	TRANSISTOR DTC143TK	
Q482	8-729-900-98	TRANSISTOR DTC143TK	
Q483	8-729-900-98	TRANSISTOR DTC143TK	
Q484	8-729-900-98	TRANSISTOR DTC143TK	
Q511	8-729-901-47	TRANSISTOR DTA143EK	
Q512	8-729-901-00	TRANSISTOR DTC124EK	
Q601	8-729-107-42	TRANSISTOR 2SC3624-L17	
Q602	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q701	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q704	8-729-931-10	TRANSISTOR 2SD1858-P	
Q705	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q706	8-729-822-60	TRANSISTOR 2SB1302-S	
Q707	8-729-901-00	TRANSISTOR DTC124EK	
Q831	8-729-925-67	TRANSISTOR DTB123YS	
Q832	8-729-901-00	TRANSISTOR DTC124EK	
Q851	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q852	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q853	8-729-901-00	TRANSISTOR DTC124EK	
Q854	8-729-901-00	TRANSISTOR DTC124EK	
		< RESISTOR >	
R101	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R102	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R103	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R104	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R105	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R106	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R107	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R108	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R109	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R110	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R301	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R302	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R303	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R304	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R305	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R306	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R411	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R414	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R415	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R416	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R417	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R418	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R419	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R420	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R430	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R431	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R432	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R433	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R458	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R459	1-216-059-00	METAL CHIP 2.7K 5% 1/10W	
R481	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R482	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R511	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R512	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R513	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R514	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R517	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R521	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R522	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R523	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R524	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R527	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R601	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R602	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R603	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R604	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R605	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R606	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R607	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R613	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R614	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R615	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R616	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R618	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R619	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R620	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R621	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R622	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R623	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R626	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R627	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R628	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R701	1-216-025-00	METAL CHIP 100 5% 1/10W	
R702	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R703	1-216-041-00	METAL CHIP 470 5% 1/10W	

Ref. No.	Part No.	Description			Remarks
R704	1-216-037-00	METAL CHIP	330	5%	1/10W
R705	1-216-081-00	METAL CHIP	22K	5%	1/10W
R707	1-216-049-00	METAL CHIP	1K	5%	1/10W
R708	1-216-093-00	METAL CHIP	68K	5%	1/10W
R709	1-216-097-00	METAL CHIP	100K	5%	1/10W
R710	1-216-105-00	METAL CHIP	220K	5%	1/10W
R711	1-809-148-11	THERMISTOR, POSITIVE			
R712	1-216-041-00	METAL CHIP	470	5%	1/10W
R801	1-216-083-00	METAL CHIP	27K	5%	1/10W
R802	1-216-083-00	METAL CHIP	27K	5%	1/10W
R803	1-216-027-00	METAL CHIP	120	5%	1/10W
R804	1-216-027-00	METAL CHIP	120	5%	1/10W
R805	1-216-109-00	METAL CHIP	330K	5%	1/10W
R806	1-216-109-00	METAL CHIP	330K	5%	1/10W
R807	1-216-077-00	METAL CHIP	15K	5%	1/10W
R808	1-216-077-00	METAL CHIP	15K	5%	1/10W
R811	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R812	1-216-033-00	METAL CHIP	220	5%	1/10W
R851	1-216-073-00	METAL CHIP	10K	5%	1/10W
R852	1-216-073-00	METAL CHIP	10K	5%	1/10W

< VIBRATOR >

X601	1-567-713-31	VIBRATOR, CRYSTAL 4.5MHz

****

A-3222-621-A TUNER BLOCK ASSY
****

(Including the FM/AM and FRONT END)

※ Notice on FM/AM Board and Front End Board.
FM/AM Board and Front End Board require factory adjustment as a pair. so, each cannot be supplised separately, but place order them together, as a pair.

****

* 1-645-892-11 SWITCH BOARD
****

< JUMPER RESISTOR >

JR602	1-216-296-00	METAL CHIP 0 5% 1/8W

< PILOT LAMP >

PL761	1-517-138-11	LAMP, PILOT
PL762	1-517-138-11	LAMP, PILOT
PL763	1-517-138-11	LAMP, PILOT
PL764	1-517-138-11	LAMP, PILOT

Ref. No.	Part No.	Description	Remarks

< SWITCH >

SW651	1-554-174-00	SWITCH, KEY BOARD (4)
SW652	1-554-174-00	SWITCH, KEY BOARD (5)
SW653	1-554-174-00	SWITCH, KEY BOARD (6)
SW654	1-554-174-00	SWITCH, KEY BOARD (1)
SW655	1-554-174-00	SWITCH, KEY BOARD (2)
SW656	1-554-174-00	SWITCH, KEY BOARD (3)
SW657	1-554-174-00	SWITCH, KEY BOARD ( )
SW658	1-554-174-00	SWITCH, KEY BOARD (SENS/LOUD)
SW659	1-554-174-00	SWITCH, KEY BOARD (-)
SW660	1-554-174-00	SWITCH, KEY BOARD (+)
SW661	1-554-174-00	SWITCH, KEY BOARD (FM/MW/LW)
SW663	1-554-174-00	SWITCH, KEY BOARD (-)
SW664	1-554-174-00	SWITCH, KEY BOARD (+)
SW665	1-554-174-00	SWITCH, KEY BOARD (M.SCAN/A.MEM)
SW666	1-554-174-00	SWITCH, KEY BOARD (SEL)

****

3-383-371-01 SWITCH ASSY, POWER BOARD
****
(Including CNP901, S902, S903)

****

MISCELLANEOUS
****

56	1-696-717-11	CORD (WITH CONNECTOR)
58	1-696-718-11	CORD (WITH CONNECTOR) (ANT)
HP901	1-543-976-11	HEAD, MAGNETIC (PLAYBACK)
M901	3-367-276-01	MOTOR ASSY
S901	1-572-712-11	SWITCH, SLIDE

****

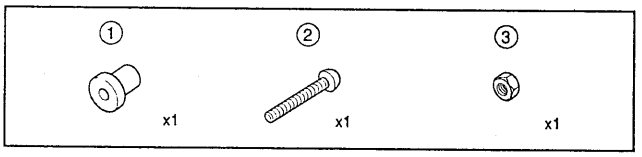
ACCESSORIES & PACKING MATERIALS
****

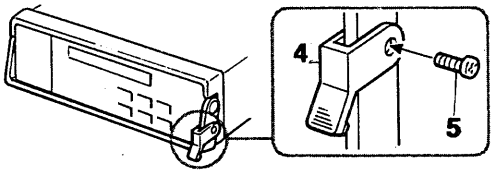
*	3-389-508-01	INDIVIDUAL CARTON
	3-755-764-91	MANUAL, INSTRUCTION (ENGLISH/RUSSIAN)

****

Ref. No. Part No. Description Remarks

MOUNTING HARDWARE





MOUNTING HARDWARE
****

1	3-349-410-01	BUSHING
2	7-682-583-04	SCREW +P 5X40
3	7-684-025-04	N 5, TYPE 2
* 4	3-384-162-01	KNOB (LEVER)
5	3-384-166-01	SCREW (+P) (2.3X4)

Ref. No. Part No. Description Remarks

****
HARDWARE LIST
****

#1	7-621-770-87	SCREW +PTT 2.6X5 (S)
#2	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT
#3	7-682-545-09	SCREW +B 3X4
#4	7-621-770-XX	SCREW +PWH 2.6X8
#5	7-685-646-79	SCREW +BVTP 3X8 TYPE2 SLIT
#6	7-621-255-10	SCREW +P 2X3
#7	7-628-253-90	SCREW +PS 2.6X4
#8	7-624-104-04	STOP RING 2.0, TYPE -E
#9	7-624-102-04	STOP RING 1.5, TYPE -E
#10	7-628-253-00	SCREW +PS 2X4
#11	7-627-556-08	SCREW +P 2.6X2.8

9-957-965-11

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